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RAW SEQUENCE LISTING   DATE: 10/02/2000
PATENT APPLICATION: US/09/605,573A   TIME: 17:02:22

Input Set : A:\CDS-222.txt
Output Set: N:\CRF3\10022000\I605573A.raw

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   3 <110> APPLICANT: De Leys, Robert J.
   4        Zheng, Jian
   6 <120> TITLE OF INVENTION: PEPTIDES FOR THE DETECTION OF HIV-1 GROUP O
   8 <130> FILE REFERENCE: CDS-222
  10 <140> CURRENT APPLICATION NUMBER: 09/605,573A
C--> 11 <141> CURRENT FILING DATE: 2000-06-28
  13 <160> NUMBER OF SEQ ID NOS: 70
  15 <170> SOFTWARE: PatentIn Ver. 2.0
  17 <210> SEQ ID NO: 1
  18 <211> LENGTH: 33
  19 <212> TYPE: PRT
  20 <213> ORGANISM: Human immunodeficiency virus type 1
  22 <400> SEQUENCE: 1
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  24  1               5                   10                  15
  26 Leu Trp Gly Cys Lys Gly Lys Leu Val Cys Tyr Thr Ser Val Lys Trp
  27             20                  25                  30
  29 Asn
  33 <210> SEQ ID NO: 2
  34 <211> LENGTH: 33
  35 <212> TYPE: PRT
  36 <213> ORGANISM: Human immunodeficiency virus type 1
  38 <400> SEQUENCE: 2
  39 Arg Leu Gln Ala Leu Glu Thr Leu Ile Gln Asn Gln Gln Arg Leu Asn
  40  1               5                   10                  15
  42 Leu Trp Gly Cys Lys Gly Lys Leu Ile Cys Tyr Thr Ser Val Lys Trp
  43.            20                  25                  30
  45 Asn
  49 <210> SEQ ID NO: 3
  50 <211> LENGTH: 33
  51 <212> TYPE: PRT
  52 <213> ORGANISM: Human immunodeficiency virus type 1
  54 <400> SEQUENCE: 3
  55 Arg Leu Leu Ala Leu Glu Thr Phe Ile Gln Asn Gln Gln Leu Leu Asn
  56  1               5                  .10                  15
 .58 Leu Trp Gly Cys Lys Asn Arg Leu Ile Cys Tyr Thr Ser Val Lys Trp
  59             20                  25                  30
  61 Asn
  65 <210> SEQ ID NO: 4
  66 <211> LENGTH: 33
  67 <212> TYPE: PRT
  68 <213> ORGANISM: Human immunodeficiency virus type 1
  70 <400> SEQUENCE: 4
 .71 Arg Leu Leu Ala Leu Glu Thr Leu Ile Gln Asn Gln Gln Leu Leu Asn
  72  1               5                   10                  15
  74 Leu Trp Gly Cys Lys Gly Arg Leu Val Cys Tyr Thr Ser Val Lys Trp
  75             20                  25                  30
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                    Input Set : A:\CDS-222.txt
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 77 Asn
 81 <210> SEQ ID NO: 5
 82 <211> LENGTH: 33
 83 <212> TYPE: PRT
 84 <213> ORGANISM: Human immunodeficiency virus type 1
 86 <400> SEQUENCE: 5
 87 Arg Leu Leu Ala Leu Glu Thr Leu Ile Gln Asn Gln Gln Leu Leu Asn
 88  1               5               10              15
 90 Leu Trp Gly Cys Lys Gly Arg Leu Ile Cys Tyr Thr Ser Val Lys Trp
 91              20              25              30
 93 Asn
 97 <210> SEQ ID NO: 6
 98 <211> LENGTH: 33
 99 <212> TYPE: PRT
100 <213> ORGANISM: Human immunodeficiency virus type 1
102 <400> SEQUENCE: 6
103 Arg Leu Leu Ala Leu Glu Thr Leu Ile Gln Asn Gln Gln Leu Leu Asn
104  1               5               10              15
106 Ser Trp Gly Cys Lys Gly Arg Leu Val Cys Tyr Thr Ser Val Glu Trp
107              20              25              30
109 Asn
113 <210> SEQ ID NO: 7
114 <211> LENGTH: 33
115 <212> TYPE: PRT
116 <213> ORGANISM: Human immunodeficiency virus type 1
118 <400> SEQUENCE: 7
119 Arg Leu Leu Ala Leu Glu Thr Leu Ile Gln Asn Gln Gln Leu Leu Asn
120  1               5               10              15
122 Ser Trp Gly Cys Lys Gly Arg Gln Val Cys Tyr Thr Ser Val Lys Trp
123              20              25              30
125 Asn
129 <210> SEQ ID NO: 8
130 <211> LENGTH: 33
131 <212> TYPE: PRT
132 <213> ORGANISM: Human immunodeficiency virus type 1
134 <400> SEQUENCE: 8
135 Arg Leu Leu Ala Leu Glu Thr Leu Ile Gln Asn Gln Gln Leu Leu Asn
136  1               5               10              15
138 Leu Trp Gly Cys Lys Gly Arg Leu Ile Cys Tyr Thr Ser Val Gln Trp
139              20              25              30
141 Asn
145 <210> SEQ ID NO: 9
146 <211> LENGTH: 33
147 <212> TYPE: PRT
148 <213> ORGANISM: Human immunodeficiency virus type 1
150 <400> SEQUENCE: 9
151 Arg Leu Leu Ala Leu Glu Thr Leu Met Gln Asn Gln Gln Leu Leu Asn
152  1               5               10              15
154 Leu Trp Gly Cys Lys Gly Arg Ile Leu Cys Tyr Thr Ser Val Lys Trp
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Input Set : A:\CDS-222.txt
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157 Asn
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162 <211> LENGTH: 33
163 <212> TYPE: PRT
164 <213> ORGANISM: Human immunodeficiency virus type 1
166 <400> SEQUENCE: 10
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170 Leu Trp Gly Cys Lys Gly Arg Ile Val Cys Tyr Thr Ser Val Arg Trp
171            20                  25           .    30
173 Asn
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178 <211> LENGTH: 33
179 <212> TYPE: PRT
180 <213> ORGANISM: Human immunodeficiency virus type 1
182 <400> SEQUENCE: 11
183 Arg Leu Leu Ala Leu Glu Thr Leu Ile Gln Asn Gln Gln Leu Leu Asn
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186 Leu Trp Gly Cys Lys Gly Lys Ile Val Cys Tyr Thr Ser Val Glu Trp
187            20                  25              30
189 Asn
193 <210> SEQ ID NO: 12
194 <211> LENGTH: 33
195 <212> TYPE: PRT
196 <213> ORGANISM: Human immunodeficiency virus type 1
198 <400> SEQUENCE: 12
199 Arg Leu Leu Ala Leu Glu Thr Leu Met Gln Asn Gln Gln Leu Leu Asn
200   1               5                  10                  15
202 Leu Trp Gly Cys Lys Gly Lys Leu Ile Cys Tyr Thr Ser Val Arg Trp
203            20                  25              30
205 Asn
209 <210> SEQ ID NO: 13
210 <211> LENGTH: 33
211 <212> TYPE: PRT
212 <213> ORGANISM: Human immunodeficiency virus type 1
214 <400> SEQUENCE: 13
215 Arg Leu Gln Ala Leu Glu Thr Leu Ile Gln Asn Gln Gln Arg Leu Asp
216   1               5                  10                  15
218 Leu Trp Gly Cys Lys Gly Arg Ile Ile Cys Tyr Thr Ser Val Lys Trp
219            20                  25              30
221 Asn
225 <210> SEQ ID NO: 14
226 <211> LENGTH: 33
227 <212> TYPE: PRT
228 <213> ORGANISM: Human immunodeficiency virus type 1
230 <400> SEQUENCE: 14
231 Arg Leu Leu Ala Leu Glu Thr Phe Ile Gln Asn Gln Gln Leu Leu Asn
232   1               5            .    10                  15
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                    Input Set : A:\CDS-222.txt
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234 Leu Trp Gly Cys Lys Gly Arg Leu Ile Cys Tyr Thr Ser Val Lys Trp
235        .         20               25               30
237 Asn
241 <210> SEQ ID NO: 15
242 <211> LENGTH: 33
243 <212> TYPE: PRT
244 <213> ORGANISM: Human immunodeficiency virus type 1
246 <400> SEQUENCE: 15
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248   1            5              10               15
250 Leu Trp Gly Cys Lys Gly Arg Leu Val Cys Tyr Thr Ser Val Lys Trp
251                  20               25               30
253 Asn
257 <210> SEQ ID NO: 16
258 <211> LENGTH: 33
259 <212> TYPE: PRT
260 <213> ORGANISM: Human immunodeficiency virus type 1
262 <400> SEQUENCE: 16
263 Arg Leu Leu Ala Leu Glu Thr Leu Ile Gln Asn Gln Gln Leu Leu Asn
264   1            5              10               15
266 Ser Trp Gly Cys Gln Gly Lys Leu Val Cys Tyr Thr Ser Val Ile Trp
267                  20               25               30
269 Asn
273 <210> SEQ ID NO: 17
274 <211> LENGTH: 33
275 <212> TYPE: PRT
276 <213> ORGANISM: Human immunodeficiency virus type 1
278 <400> SEQUENCE: 17
279 Arg Leu Gln Ala Leu Glu Thr Leu Met Gln Asn Gln Gln Leu Leu Asn
280   1            5              10               15
282 Leu Trp Gly Cys Lys Gly Lys Ser Ile Cys Tyr Thr Ser Val Lys Trp
283                  20               25               30
285 Asn
289 <210> SEQ ID NO: 18
290 <211> LENGTH: 33
291 <212> TYPE: PRT
292 <213> ORGANISM: Human immunodeficiency virus type 1
294 <400> SEQUENCE: 18
295 Arg Leu Leu Ala Leu Glu Thr Phe Val Gln Asn Gln Gln Leu Leu Asn
296   1            5              10               15
298 Leu Trp Gly Cys Lys Gly Arg Ile Val Cys Tyr Thr Ser Val Lys Trp
299                  20               25               30
301 Asn
305 <210> SEQ ID NO: 19
306 <211> LENGTH: 33
307 <212> TYPE: PRT
308 <213> ORGANISM: Human immunodeficiency virus type 1
310 <400> SEQUENCE: 19
311 Arg Leu Leu Ala Leu Glu Thr Leu Met Gln Asn Gln Gln Leu Leu Asn
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                    Input Set : A:\CDS-222.txt
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312    1              5              10                  15
314 Leu Trp Gly Cys Arg Gly Lys Ala Ile Cys Tyr Thr Ser Val Gln Trp
315             20              25              30
317 Asn
321 <210> SEQ ID NO: 20
322 <211> LENGTH: 33
323 <212> TYPE: PRT
324 <213> ORGANISM: Human immunodeficiency virus type 1
326 <400> SEQUENCE: 20
327 Arg Leu Gln Ala Leu Glu Thr Leu Ile Gln Asn Gln Gln Leu Leu Ser
328    1              5              10                  15
330 Leu Trp Gly Cys Lys Gly Arg Leu Val Cys Tyr Thr Ser Val Lys Trp
331             20              25              30
333 His
337 <210> SEQ ID NO: 21
338 <211> LENGTH: 33
339 <212> TYPE: PRT
340 <213> ORGANISM: Human immunodeficiency virus type 1
342 <400> SEQUENCE: 21
343 Arg Leu Leu Ala Leu Glu Thr Leu Ile Gln Asn Gln Gln Leu Leu Asn
344    1              5              10                  15
346 Leu Trp Gly Cys Lys Gly Arg Leu Leu Cys Tyr Thr Ser Val Lys Trp
347             20              25              30
349 Asn
353 <210> SEQ ID NO: 22
354 <211> LENGTH: 33
355 <212> TYPE: PRT
356 <213> ORGANISM: Human immunodeficiency virus type 1
358 <400> SEQUENCE: 22
359 Arg Leu Leu Ala Leu Glu Thr Phe Ile Gln Asn Gln Gln Leu Leu Asn
360    1              5              10                  15
362 Leu Trp Gly Cys Lys Gly Lys Leu Ile Cys Tyr Thr Ser Val Glu Trp
363             20              25              30
365 Asn
369 <210> SEQ ID NO: 23
370 <211> LENGTH: 33
371 <212> TYPE: PRT
372 <213> ORGANISM: Human immunodeficiency virus type 1
374 <400> SEQUENCE: 23
375 Arg Leu Gln Ala Leu Glu Thr Leu Met Gln Asn Gln Gln Arg Leu Asp
376    1              5              10                  15
378 Leu Trp Gly Cys Lys Gly Arg Leu Ile Cys Tyr Thr Ser Val Lys Trp
379             20              25              30
381 Asn
385 <210> SEQ ID NO: 24
386 <211> LENGTH: 33
387 <212> TYPE: PRT
388 <213> ORGANISM: Human immunodeficiency virus type 1
390 <400> SEQUENCE: 24
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

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Input Set : A:\CDS-222.txt
Output Set : N:\CRF3\10022000\I605573A.raw

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:1076 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:60
L:1083 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:60
L:1113 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:62
L:1120 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:62
L:1133 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:63
L:1140 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63
L:1153 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:64
L:1160 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:64